Figure 1. PCR Incorporation of Deoxyuracil-containing Oligonucleotide Primer

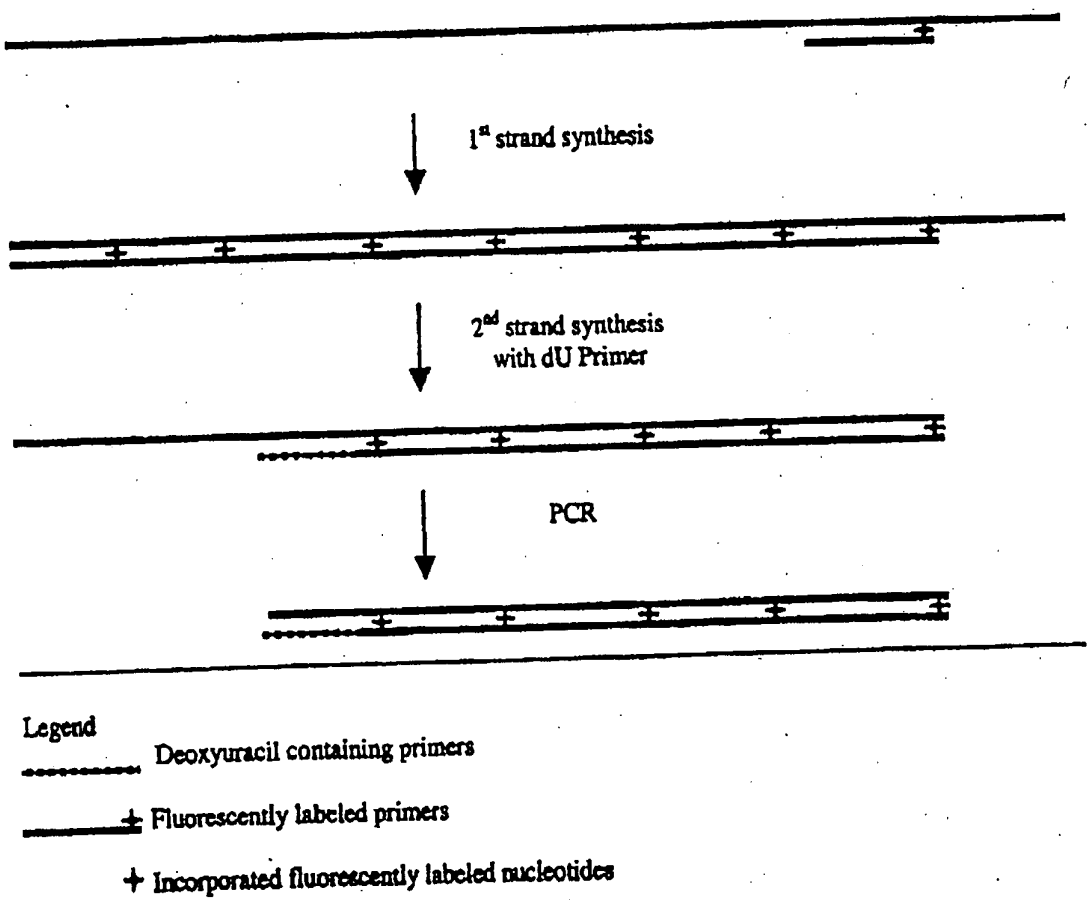


Figure 2. UNG Generation of Partially Single-stranded Target and Subsequent Hybridization to Capture Probe

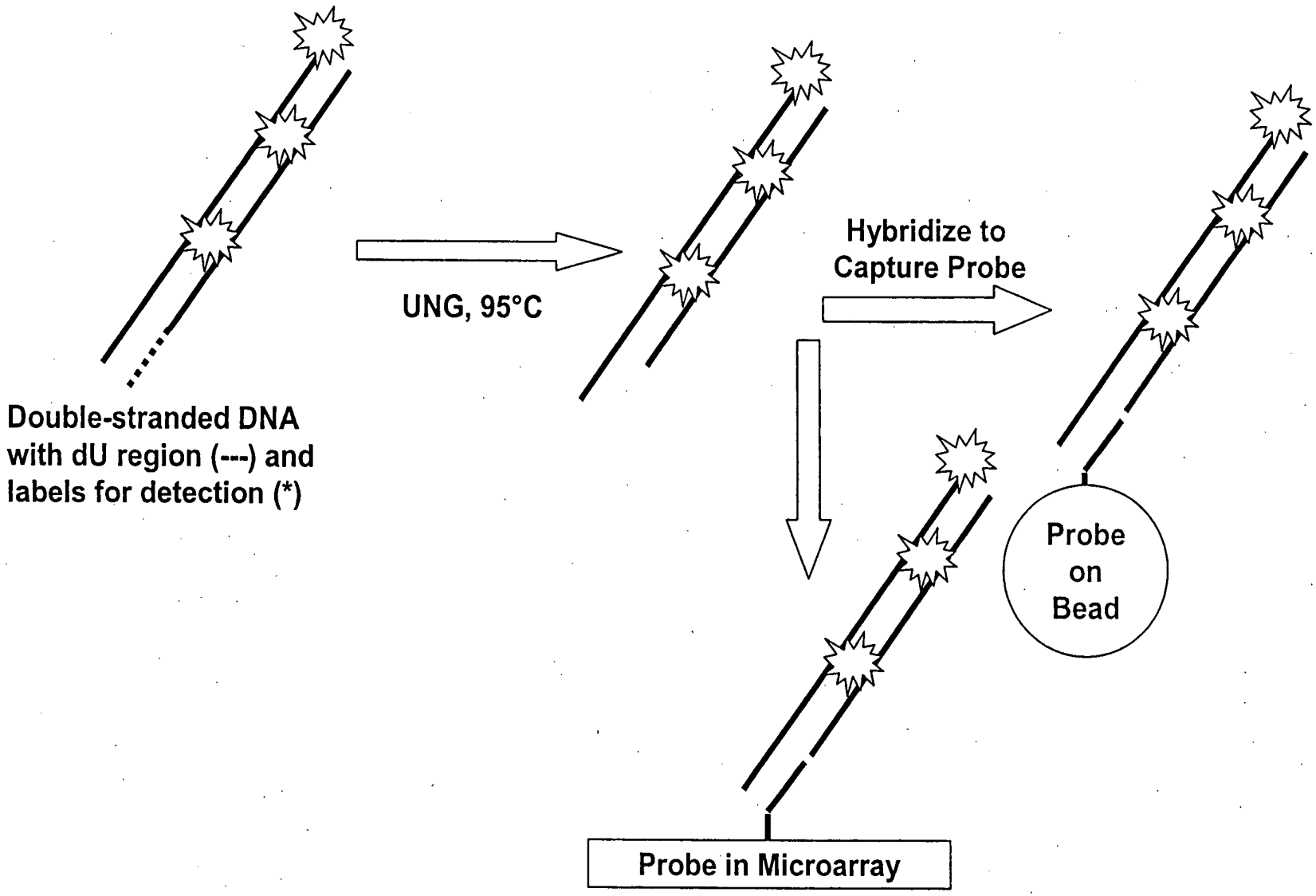


Figure 3. Schematic of UNG Sample Preparation for the Flow-thru Chip™

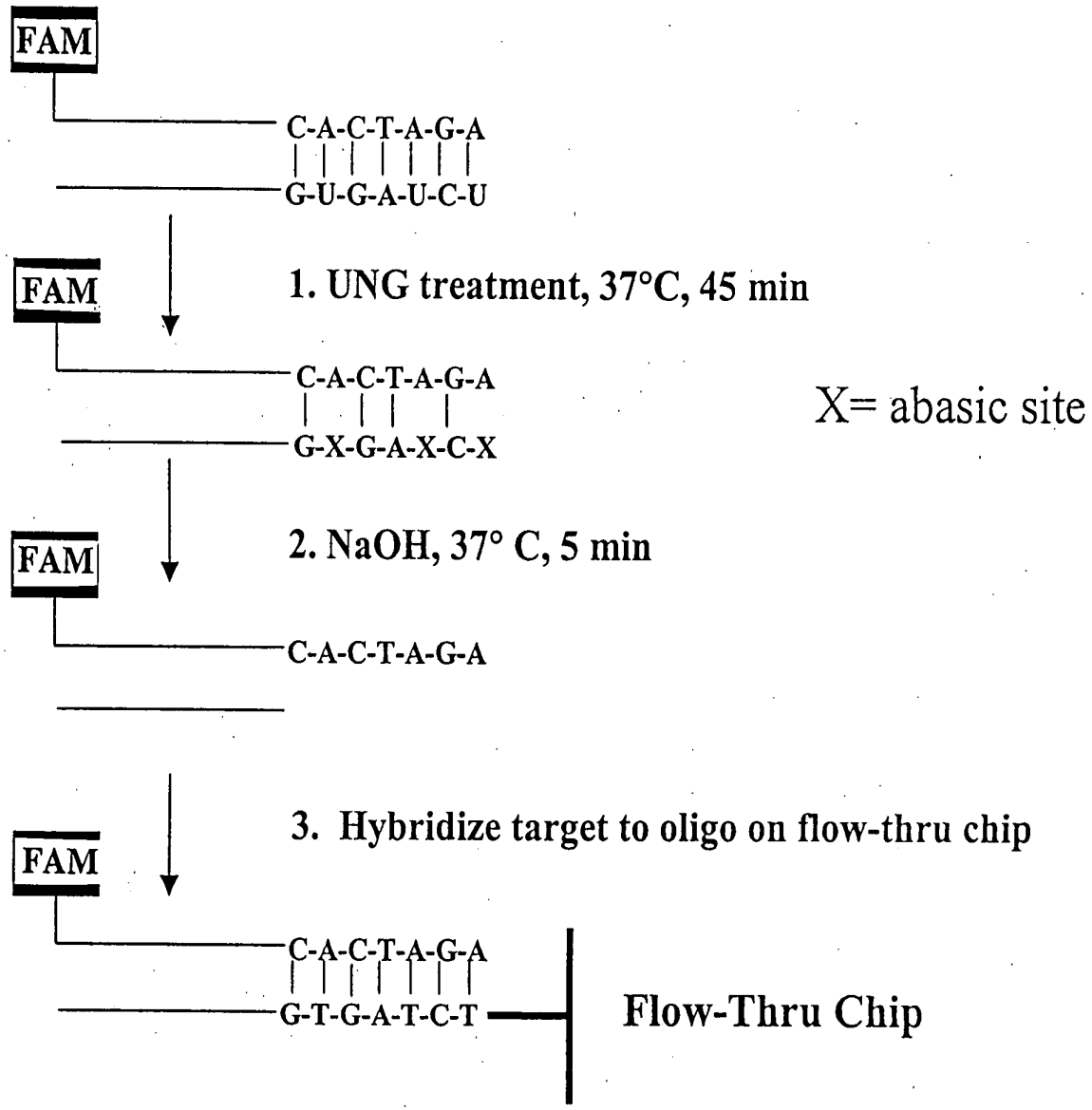


Figure 4. Method of Preparing a Partially Double-Stranded Target Nucleic Acid Containing a Single-Stranded Index Region and it Use with a Universal Index Chip

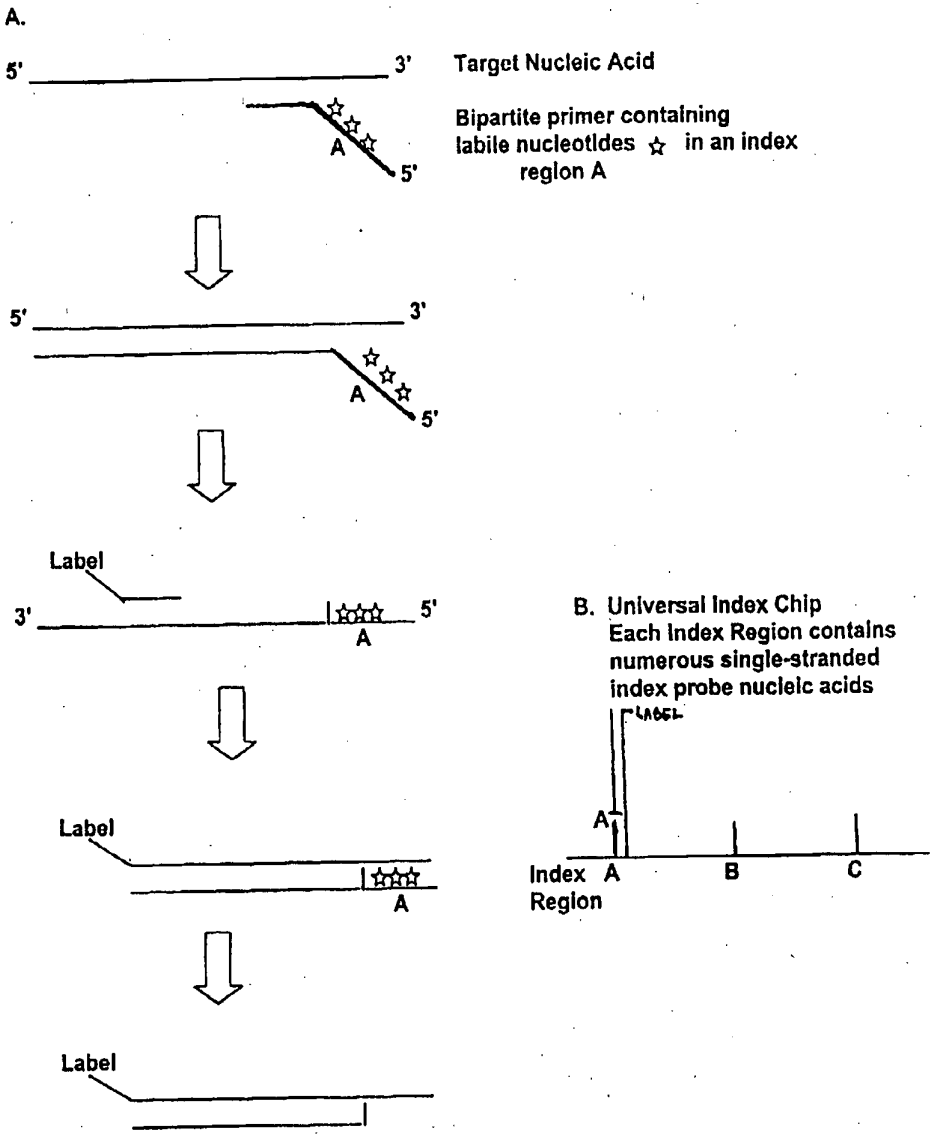


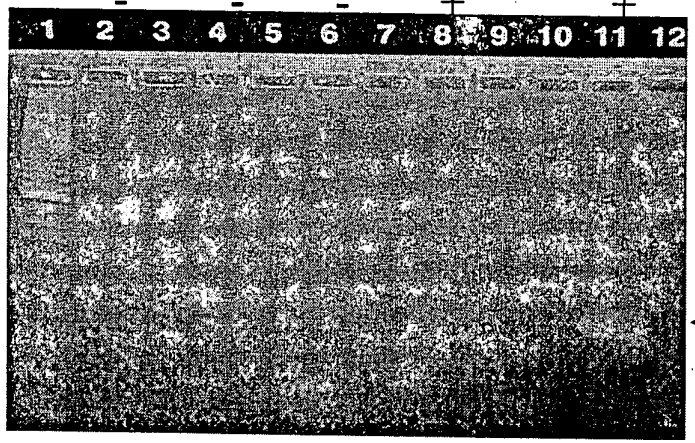
Figure 5. Representative Primer and Probe Sequences

SEQ ID	NAME	SEQUENCE 5' -> 3'	MODIFICATION
1	BF1	UCCUCCUGAGCGCAAGUACUC	
2	BR1	1CCTGCTTGCTGATCCACATCT	1 = FAM
3	BC1	6TCCTCCTGAGCGCAAGTACTC	6 = AMINO
4	GF1	UGGUCGUAUUGGGCGCCU	
5	GR1	1ACCCTGTTGCTGTAGCCAAATT	1 = FAM
6	GR2	1CATATTGGAACATGTAAACCATGTAGTTG	1 = FAM
7	GR3	1TTGATTTTGGAGGGATCTCGC	1 = FAM
8	GR4	1GCTAAGCAGTTGGTGGTGCAG	1 = FAM
9	GC1	6TGGTCGTATTGGGCGCCT	6 = AMINO
10	NC1	6CCTCTGACTTCAACAGCGACACT	6 = AMINO

Figure 6. Gel Shift of single RT-PCR product

Lane/Tube Number	2/1	4/2	6/3	8/4	11/5
B-actin p33	+	+	+	+	+
6 μg of b-actin alone	-	+	+	+	+
UNG	-	-	+	+	-
NAOH	-	-	-	+	+

A.



b-actin

B.

2 4 6 8 11

b-actin + p33 b-actin

p33 b-actin

Figure 7. Sizing Gel for Multiplex RT-PCR products

Figure 8. Changes in Gene Expression as measured by the Flow-thru Chip™ and Multiplex Partially Double-Stranded DNA in comparison to TaqMan®